

## Changes in stroke volume in primary school children during oral answers at theoretical lessons

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### Abstract

The study of stroke volume response in first- and fourth-year schoolchildren during oral answers has shown that stroke volume response during oral answers substantially reduces by the fourth year at school in students engaged in systematic muscle training. Therefore, systematic muscle training contributes to less marked changes in stroke volume during oral answers of primary school students. At the same time, the stroke volume response during oral answers in children leading a sedentary life increases with age. Moreover, stroke volume decreases to initial values much faster after the oral answers of fourth-year schoolchildren from the group of vigorous physical activity compared to the control. © 2014 Pleiades Publishing, Inc.

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### Keywords

primary school children, response of heart pumping function during answers when standing at a desk and at the blackboard